

SELECTED ACQUISITION REPORT (SAR) SUMMARY TABLES

As of Date: December 31, 1986

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UNCLASSIFIED

Department of Defense
OASD (Comptroller)
March 6, 1987

SELECTED ACQUISITION REPORTS - HIGHLIGHTS

(As of December 31, 1986)

The Secretary of Defense released details of cost and schedule changes since the September 1986 reporting period based on the Selected Acquisition Reports (SARs) submitted to the Congress for the December 31, 1986 reporting period. Included are SARs on 95 programs that have been reported previously and six additional reports being submitted for the first time.

SARs summarize the latest estimates of cost, schedule, and technical status on major defense systems. These reports are prepared annually (nominally as of December 31) in conjunction with the President's budget for each covered program. After each subsequent calendar year quarter, reports are required only for those programs experiencing cost changes of at least five percent or schedule delays of at least six months.

The total program cost estimates provided in the SARs include research and development, procurement, and military construction. Total program costs reflect actual costs on delivered items as well as anticipated costs for future procurement, which in some instances, extend beyond the year 2000. All estimates include allowances for anticipated inflation.

The cost for one of the 95 programs, ASAS, is classified. The total current estimate of program acquisition costs for the remaining major systems covered by SARs for the September 1986 reporting period was \$771,587.3 million. The cost changes between September and December 1986 are summarized below:

	Current Estimate (\$ in Millions)
September 1986 (95 programs^{1/})	\$ 771,587.3
Less terminated Navy version of joint JTIDS program	-462.2
Less MLRS-TGW and LHX procurement costs ^{2/}	-942.8
Plus expanded scope for FAADS C ² I not previously reported ^{3/}	+245.4
Plus expanded scope for AN/SQQ-89 ASW Combat System ^{4/}	+2,252.0
September 1986 Adjusted (94 programs^{1/4/})	\$ 772,679.7

^{1/} Classified costs for the Army's ASAS program are excluded.

^{2/} In accordance with provisions of the FY 1987 Authorization Act, SARs for these pre-Milestone II programs may be limited to the development program only.

^{3/} Previously reported SHORAD C² was incorporated into the new FAADS C²I.

^{4/} The AN/SQS-53C and TACTAS programs were reported separately in September 1986, but have been consolidated with the new AN/SQQ-89 program which encompasses greater scope than the two consolidated programs.

Changes Since Last Report:

Economic	\$ -13,678.9
Quantity	+25,377.8
Schedule	+5,666.5
Engineering	+131.7
Estimating	-5,147.2
Other	0.0
Support	<u>+2,577.0</u>

Net Change +14,926.9

December 1986 (94 programs)

\$ 787,606.6

The increase of \$14,926.9 million, or 1.9 percent, was due primarily to a net increase in the dollar amount of quantities purchased. These are not cost overruns, but represent revised planning requirements for weapon systems. To a lesser degree, the cost increase also resulted from additional support costs associated with the larger number of quantities, and schedule stretchouts in some programs. These increases were partially offset by the application of lower escalation rates and downward revisions in program cost estimates.

Details of the most significant changes are summarized in the attachment.

New Reports

(As of December 31, 1986)

The Secretary of Defense released six additional reports (two new programs) for the first time in accordance with section 2432, title 10, United States Code (formerly section 139a). These reports do not represent cost growth. Baselines established on these programs will be the point from which future changes will be measured. The current cost estimates are provided below:

<u>Reports</u>	<u>Current Estimate</u> <u>(\$ in Millions)</u>
FY 1989 Combat System	\$ 2,989.9
FAADS Line of Sight-Forward-Heavy	1,693.3
FAADS Line of Sight-Rear	1,257.6
FAADS Non-Line of Sight	532.4*
CVN-74/75 Carriers	6,966.0
Peacekeeper Rail Garrison	<u>9,106.8</u>
Total	\$ 22,546.0

*RDT&E costs only

Program Change Explanations

(As of December 31, 1986)

Army:

ADDS - Program costs increased \$850.6 million (+30.8%) from \$2,764.7 million to \$3,615.3 million, due primarily to a quantity increase of 26 Net Control Stations (\$+444.3 million) and a revised estimate of the first unit cost (\$+382.4 million).

AH-64 - Program costs decreased \$362.8 million (-3.9%) from \$9,206.4 million to \$8,843.6 million, due primarily to a reduction in quantity from 675 to 593 aircraft (\$-449.6 million), a reduction in support requirements as a result of the smaller fleet size (\$-222.4 million), and the application of revised escalation rates (\$-100.5 million). These decreases were partially offset by increases in the actual cost of the McDonnell Douglas and Martin Marietta contracts (\$+365.1 million), and the application of engineering modifications (\$+48.6 million).

BRADLEY FVS - Program costs decreased \$795.0 million (-7.6%) from \$10,513.1 million to \$9,718.1 million, due primarily to revised estimates based on recent contract data and projected competition/multiyear procurement savings (\$-784.8 million), a reduction in support requirements (\$-220.5 million), and the application of revised escalation rates (\$-168.0 million). These decreases were partially offset by revised engineering estimates resulting from higher survivability requirements (\$+310.1 million) and a schedule stretchout of one year (\$+71.8 million).

COPPERHEAD - Program costs increased \$240.4 million (+16.9%) from \$1,420.6 million to \$1,661.0 million, due primarily to a quantity increase of 7,357 projectiles (\$+71.8 million) and associated schedule and estimating changes (\$+192.9 million). This increase was partially offset by the application of revised escalation rates (\$-24.3 million).

FAADS C2I - The scope of the program (formerly SHORAD C2) was expanded by \$245.4 million to include an intelligence portion (Positive Hostile Identification, Cooperative IFF, and Aerial Sensor). Program costs for the previously reported C2 portion increased \$286.2 million (+24.3%) from \$1,175.9 million to \$1,462.1 million, due primarily to changes in the development schedule (\$+127.5 million), and revised estimates for hardware (\$+83.6 million) and initial spares (\$+78.3 million).

HELLFIRE - Program costs decreased \$146.7 million (-5.7%) from \$2,554.3 million to \$2,407.6 million, due primarily to revised estimates for outyear production costs based on actuals to date (\$-102.6 million) and the application of revised escalation rates (\$-48.0 million).

LHX - Program costs increased \$1,509.3 million (+70.8%) from \$2,133.0 million to \$3,642.3 million, due primarily to major changes in the acquisition strategy to include competition throughout development culminating in full prototype fly-off prior to a production decision (\$+855.6 million), and revised estimates of the development effort (\$+677.7 million). Procurement costs of \$516.9 million have been deleted from the program baseline in accordance with provisions of the FY 1987 Authorization Act. That is, since LHX is a pre-Milestone II program, reporting may be limited to the development program only.

M1 TANK - Program costs increased \$2,457.4 million (+12.7%) from \$19,402.6 million to \$21,860.0 million, due primarily to the planned procurement of 377 additional tanks (\$+2,467.8 million), revised development estimates of Block II improvements (\$+120.2 million), and additional special project and test requirements (\$+697.7 million). These increases were partially offset by a net reduction in estimated costs for engineering (\$-346.7 million) and support requirements (\$-262.0 million), and the application of revised escalation rates (\$-219.6 million).

MLRS - Program costs increased \$934.7 million (+22.0%) from \$4,246.2 million to \$5,180.9 million, due primarily to an increase of 101 launcher loaders, 77,490 tactical rockets, and 17,412 practice rockets.

MLRS-TGW - Procurement costs of \$414.4 million and MILCON costs of \$11.5 million have been deleted from the program baseline in accordance with provisions of the FY 1987 Authorization Act. That is, since MLRS-TGW is a pre-Milestone II program, reporting may be limited to the development program only.

MSE - Program costs decreased \$480.0 million (-9.4%) from \$5,134.0 million to \$4,654.0 million, due primarily to revised estimates of force structure requirements (\$-813.2 million) and the application of revised escalation rates (\$-26.8 million). These decreases were partially offset by the equipment costs for two additional units in FY 1991 (\$+360.0 million).

OH-58D (AHIP) - Program costs decreased \$1,799.4 million (-61.1%) from \$2,943.4 million to \$1,144.0 million, due primarily to a quantity reduction of 443 aircraft (\$-1,302.1 million) and associated reduction in support requirements (\$-469.2 million).

PATRIOT - Program costs increased \$509.3 million (+4.2%) from \$12,095.9 million to \$12,605.2 million, due primarily to the addition of 415 missiles in FY 1992 (\$+157.3 million) and 3 fire units in FY 1990 (\$+67.9 million), revised cost estimates for the additional missiles and fire units (\$+434.8 million), and the addition of Anti-Tactical Missile (ATM) engineering requirements (\$+138.9 million). These increases were partially offset by downward revisions in the estimated cost of hardware

(\$-125.1 million) and support (\$-61.0 million) requirements, and the application of revised escalation rates (\$-103.5 million).

RPV - Program costs increased \$589.7 million (+38.6%) from \$1,529.8 million to \$2,119.5 million, due primarily to a planned increase in the number of battery equivalent sets (from 4 to 9) and associated battery end items (\$+509.4 million), and revised estimates of hardware, warranty, and government furnished equipment (GFE) requirements (\$+94.1 million).

SINCGARS - Program costs increased \$124.9 million (+2.3%) from \$5,527.5 million to \$5,652.4 million, due primarily to schedule delays in first article testing (\$+297.3 million) and revised estimates for installation kits (\$+155.2 million). These increases were partially offset by revised unit cost estimates (\$-161.4 million), revised estimates for battlefield electronics (\$-57.1 million), and reduced requirements for ground radio initial spares (\$-98.8 million).

STINGER - Program costs decreased \$807.5 million (-19.8%) from \$4,084.0 million to \$3,276.5 million, due primarily to deletion of the Pedestal Mounted Stinger program (\$-819.2 million), a quantity decrease of 294 missiles (\$-69.8 million), and the application of revised escalation rates (\$-76.4 million). These decreases were partially offset by upward revisions in the estimates for tracking head trainers, gripstocks and full-scale targets (\$+170.2 million).

TOW 2 - Program costs decreased \$186.6 million (-7.1%) from \$2,631.1 million to \$2,444.5 million, due primarily to a reduction of 2,727 missiles (\$-36.3 million), reduced requirements for initial spares (\$-48.4 million), revised estimates based upon changes in the TOW 2 and Night Sight acquisition strategies (\$-49.3 million), and the application of revised escalation rates (\$-50.4 million).

Navy:

A-6E/F - Program costs increased \$368.4 million (+3.6%) from \$10,291.0 million to \$10,659.4 million, due primarily to an upward revision in program cost estimates (\$+736.9 million), the repricing of A-6F contractor furnished equipment (\$+277.5 million), and block upgrades of avionics (\$+355.7 million). These increases were partially offset by the application of revised escalation rates (\$-916.8 million) and a reduced estimate for support costs (\$-109.0 million).

AN/BSY-1 - Program costs increased \$205.9 million (+13.6%) from \$1,516.1 million to \$1,722.0 million, due primarily to upgrades of combat training facilities and associated combat training computer systems (\$+54.0 million), increases resulting from the procurement of additional team trainers (\$+108.9 million), and an increased requirement for product improvement and overhaul materials (\$+59.2 million). These increases were partially

offset by the application of revised escalation rates (\$-16.2 million).

AN/SQQ-89 - The various subsystems in the basic AN/SQQ-89 were originally developed as independent programs. Two of these, the AN/SQS-53C and TACTAS were previously reported as separate SARs. The shipboard electronic subsystems were transferred to the AN/SQQ-89 from the LAMPS MK III SAR. In addition, the AN/SQQ-89 includes fire control and other peripheral equipment not included in the previous programs. The RDT&E costs for an improved version of the AN/SQQ-89 has also been included in this SAR. The AN/SQS-53C and TACTAS portions of the basic AN/SQQ-89 program decreased \$537.9 million (-9.9%) from \$5,457.0 million to \$4,919.1 million, due primarily to a net quantity decrease in subsystem requirements (\$-175.3 million), a net decrease in estimated costs due to procurement of total systems versus procurement of individual subsystems, (\$-389.0 million) and reduced costs due to the application of revised escalation rates (\$-75.0 million). These decreases were partially offset by increases due primarily to revised ship installation schedules (\$+53.5 million) and system standardization (\$+47.9 million).

ASPJ - Program costs increased \$228.2 million (+65.4%) from \$349.2 million to \$577.4 million, due primarily to the addition of Air Force participation (\$+265.1 million) in this joint program. This increase was partially offset by estimated reductions in program engineering costs (\$-41.9 million).

AV-8B - Program costs increased \$381.3 million (+4.2%) from \$9,104.8 million to \$9,486.1 million, due primarily to a revised procurement schedule which adds four years to the length of the program (\$+377.0 million), additional logistics and support costs (\$+257.0 million), and cost increases resulting from engineering changes to Harrier aircraft (\$+43.4 million). These increases were partially offset by reductions in program cost estimates due primarily to lower than anticipated contract costs (\$-191.2 million). Additional decreases resulted from the application of revised escalation rates (\$-104.9 million).

C/MH-53E - Program costs decreased \$117.9 million (-3.6%) from \$3,299.0 million to \$3,181.1 million, due primarily to a reduction of seven aircraft in FY 1990 (\$-239.0 million) and the application of revised escalation rates (\$-29.8 million). These reductions were partially offset by increases due to revised estimates for the development of the main rotor blade (\$+20.8 million), replacement and refurbishment of aircraft tooling (\$+10.2 million), and revised estimates for support and spares (\$+15.6 million).

CG-47 - Program costs decreased \$771.8 million (-3.0%) from \$25,641.0 million to \$24,869.2 million, due primarily to revised escalation rates (\$-649.1 million), a revised procurement schedule (\$-75.5 million), deletion of the level IIA protection system (\$-82.5 million), and reduced support costs associated with the revised schedule (\$-23.2 million). These decreases

were partially offset by upward revisions in procurement cost estimates (\$+58.5 million).

CVN 72/73 - Program costs decreased \$-240.9 million (-3.8%) from \$6,390.9 million to \$6,150.0 million, due primarily to revised escalation rates (\$-168.0 million), reduced funding for management reserve (\$-48.6 million), and revised support estimates (\$-24.3 million).

DDG-51 - Program costs increased \$3,641.2 million (+22.1%) from \$16,476.3 million to \$20,117.5 million, due primarily to the net addition of five ships (\$+4,097.0 million), increases resulting from a revised schedule (\$+97.8 million), and increased outfitting and post delivery costs (\$+90.3 million). These increases were partially offset by revised escalation rates (\$-591.9 million) and revised program cost estimates (\$-50.9 million).

E-2C - Program costs increased \$775.7 million (+12.8%) from \$6,050.2 million to \$6,825.9 million, due primarily to a quantity increase of 10 aircraft (\$+390.5 million), revised program cost estimates (\$+218.0 million), and increased support requirements (\$+223.2 million). These increases were partially offset due to revised escalation rates (\$-56.0 million).

E-6A - Program costs decreased \$320.7 million (-14.3%) from \$2,248.6 million to \$1,927.9 million, due primarily to revised support costs (\$-167.0 million), revised requirements for mission avionics (\$-149.1 million), revised delivery schedules (\$-63.4 million), and revised escalation rates (\$-68.7 million). These decreases were partially offset by the addition of one aircraft (\$+61.2 million) and upward revisions to procurement estimates (\$+66.3 million).

EA-6B - Program costs increased \$207.3 million (+4.9%) from \$4,235.5 million to \$4,442.8 million, due primarily to additional support requirements (\$+311.5 million), an upward revision in estimated costs for the program (\$+150.6 million), and schedule revisions (\$+25.8 million). These increases were partially offset by a quantity decrease of six aircraft (\$-180.3 million) and the application of revised escalation rates (\$-100.3 million).

F-14D - Program costs increased \$3,720.2 million (+19.4%) from \$19,219.8 million to \$22,940.0 million, due primarily to the addition of 223 aircraft (\$+9,561.8 million), increased support and spares (\$+691.2 million) associated with the additional quantity, and increased requirements for integration of weapons systems (\$+221.8 million). These increases were partially offset by revised estimates of unit costs reflecting the remanufacturing of 400 F-14A to F-14D aircraft (\$-5,853.9 million), reduced costs due to the scheduling of larger lot sizes (\$-859.2 million), and the application of revised escalation rates (\$-41.5 million).

F/A-18 - Program costs decreased \$-1847.5 million (-4.7%) from \$39,322.9 million to \$37,475.4 million, due primarily to a quantity reduction of 209 aircraft (\$-4,398.7 million), the application of revised escalation rates (\$-697.9 million), and a downward revision in estimated engineering costs (\$-39.7 million). These reductions were partially offset by a schedule stretchout (\$+1,852.3 million), removal of multi-year procurement assumptions (\$+1,040.3 million), and increased allocations for support (\$+396.2 million).

HARPOON (NAVY) - Program costs decreased \$220.7 million (-5.5%) from \$4,002.0 million to \$3,781.3 million, due primarily to revised procurement cost estimates which included projected savings from multi-year procurements.

LAMPS MK III - Program costs decreased \$551.1 million (-8.7%) from \$6,333.9 million to \$5,782.8 million, due primarily to the transfer of SQQ-28 and SRQ-4 shipboard electronics costs to the AN/SQQ-89 SAR (\$-506.3 million), and the application of revised escalation rates (\$-47.1 million). These decreases were partially offset by engineering upgrades (\$+46.0 million).

LCAC - Program costs increased \$128.5 million (+6.3%) from \$2,028.9 million to \$2,157.4 million, due primarily to the addition of nine craft (\$+202.8 million) and a rescheduling of FY 1988 craft to FY 1992 (\$+43.0 million). These increases were partially offset by revised program cost estimates (\$-47.2 million) and revised escalation rates (\$-77.5 million).

LHD - Program costs decreased \$1,201.4 million (-18.9%) from \$6,363.1 million to \$5,161.7 million, due primarily to favorable contract negotiations (\$-845.9 million), reduced estimates for total program costs (\$-111.9 million), and the application of revised escalation rates (\$-267.8 million).

MK-48 ADCAP - Program costs decreased \$287.3 million (-4.6%) from \$6,314.0 million to \$6,026.7 million, due primarily to greater competition anticipated for follow-on contracts (\$-431.9 million), lower rates anticipated in the Navy Industrial Fund activities (\$-144.1 million), reduced spares requirements (\$-40.2 million), and revised escalation rates (\$-38.2 million). These decreases are offset by expected increases in costs due to schedule delays caused by testing problems (\$+403.0 million).

MK-50 (ALWT) - Program costs increased \$329.1 million (5.3%) from \$6,184.9 million to \$6,514.0 million, due primarily to reduced annual production rates and a four-year program extension (\$+574.1 million), and the addition of a preplanned product improvement program (\$+361.2 million). These increases were partially offset by savings realized from early competition (\$-543.2 million) and the application of revised escalation rates (\$-87.8 million).

P-3C - Program costs decreased \$2,601.5 million (-56.5%) from \$4,608.1 million to \$2,006.6 million, due primarily to a

quantity reduction of 48 aircraft to reflect shutdown of the program after the FY 87 procurement (\$-1,897.2 million), associated decreases in support costs (\$-535.0 million), reduced estimates for RDT&E requirements (\$-74.8 million), and revised escalation rates (\$-97.6 million).

PHALANX CIWS - Program costs increased \$166.8 million (+6.7%) from \$2,496.1 million to \$2,662.9 million, due primarily to a quantity increase of 20 systems (\$+71.6 million), revised hardware contract cost estimates (\$+99.4 million), increased support costs (\$+27.5 million), and increases due to schedule changes (\$+11.4 million). These increases were partially offset by the application of revised escalation rates (\$-43.1 million).

PHOENIX - Program costs decreased \$135.0 million (-1.9%) from \$6,950.1 million to \$6,815.1 million, due primarily to the application of revised escalation rates (\$-141.2 million) and revised program cost estimates (\$-21.0 million). These decreases were partially offset by increased support costs (\$+17.4 million) and product improvements (\$+9.8 million).

SEA LANCE - Program costs increased \$109.9 million (+4.7%) from \$2,341 million to \$2,450.9 million, due primarily to the Navy's decision to accelerate the MK-50 development program and to defer further development of the Nuclear Depth Bomb variant for one year (\$+156.0 million). This increase was partially offset by the application of revised escalation rates (\$-27.7 million) and a reduction in the quantity of developmental flight test units (\$-18.4 million).

SPARROW (NAVY) - Program costs decreased \$833.5 million (-35.5%) from \$2,347.3 million to \$1,513.8 million, due primarily to a reduction of 3,394 missiles (\$-559.7 million), a revised schedule (\$-133.2 million) and reduced support costs associated with the reduction in quantity (\$-124.4 million).

SSN-21 - Program costs increased \$2,435.8 million (+35.7%) from \$6,820.6 million to \$9,256.4 million, due primarily to the addition of two submarines (\$+2,392.3 million), revised estimates of RDT&E requirements (\$+109.8 million), and increased support for the additional submarines (\$+76.9 million). These increases were partially offset by the application of revised escalation rates (\$-143.2 million).

SSN-688 - Program costs decreased \$1,780.8 million (-5.6%) from \$31,874.9 million to \$30,094.1 million, due primarily to the deletion of one submarine (\$-606.8 million), deletion of post delivery costs for the deleted submarine (\$-68.8 million), downward revisions in outfitting/post delivery costs for the remaining submarines (\$-184.1 million), and the application of revised escalation rates (\$-903.9 million).

STD MSL (SM-2) - Program costs increased \$308.6 million (+3.4%) from \$9,072.6 million to \$9,381.2 million, due primarily to a net increase of 1,205 type ER and MR missiles (\$+776.6 million)

and a net increase in engineering costs due in part to the integration of the ER missile with AEGIS combat requirements (\$+305.9 million). These increases were partially offset by decreases due to schedule revisions (\$-320.3 million), the application of revised escalation rates (\$-197.6 million), a downward revision in program cost estimates (\$-177.9 million), and a net reduction due to revised support requirements (\$-78.1 million).

TAO FLEET OILER - Program costs decreased \$370.3 million (-12.1%) from \$3,060.5 million to \$2,690.2 million, due primarily to the deletion of one ship (\$-180.8 million), downward revisions in program estimates (\$-138.8 million), and the application of revised escalation rates (\$-50.7 million).

TOMAHAWK - Program costs decreased \$1,218.3 million (-9.4%) from \$13,032.9 million to \$11,814.6 million, due primarily to an acceleration of the procurement program (\$-505.9 million), the application of revised escalation rates (\$-378.7 million), expected savings from competition and congressional adjustments (\$-186.1 million), the deletion of seven weapons control support systems (\$-104.5 million), and downward revisions in engineering costs (\$-43.1 million).

TRIDENT II MSL - Program costs increased \$745.5 million (2.1%) from \$34,773.0 million to \$35,518.5 million, due primarily to a quantity increase of 27 missiles associated with the addition of an additional Ohio Class submarine (\$+764.6 million), and an upward revision in the MK-6 guidance system cost estimates (\$+782.5 million). These increases were partially offset by the application of revised escalation rates (\$-657.5 million) and downward revisions in procurement and construction estimates (\$-110.2 million).

TRIDENT II SUB - Program costs increased \$538.2 million (+3.3%) from \$16,339.8 million to \$16,878.0 million, due primarily to the additional of one ship in FY 1992 (\$+1,614.2 million). This increase was partially offset by the application of revised economic escalation rates (\$-593.0 million) and revised estimates of shipbuilding costs (\$-483.0 million).

V-22 - Program costs increased \$9,857.5 million (+49.8%) from \$19,804.8 million to \$29,662.3 million, due primarily to the addition of Army and Air Force quantities to the SAR (\$+6,303.0 million), increased costs due to schedule changes (\$+595.9 million), the addition of Army and Air Force support requirements (\$+3,180.8 million), and revised procurement estimates (\$+155.1 million). These increases were partially offset by the application of revised escalation rates (\$-377.3 million).

Air Force:

ASAT - Program costs increased \$375.8 million (+9.8%) from \$3,835.7 million to \$4,211.5 million, due primarily to program replanning resulting from FY 1986 and 1987 appropriation budget cuts and restrictions (\$+367.1 million), and the addition of enhanced altitude capability (\$+175.1 million). These increases were partially offset by revised escalation rates (\$-85.8 million) and a decrease in factory spares and test equipment (\$-96.4 million).

ATF - Program costs increased \$263.1 million (+2.1%) from \$12,380.0 million to \$12,643.4 million, due primarily to the addition of the INEWS/ICNIA avionics development effort (\$+315.7 million), inclusion of flight simulator development (\$+282.0 million), and costs due to extended schedule (\$+149.3 million). These increases were partially offset by a reduction of three full-scale development aircraft (from twelve to nine) due to prototyping during the demonstration/validation phase (\$-467.7 million).

B-1B - Program costs increased \$467.5 million (+1.7%) from \$26,825.9 million to \$27,293.4 million, due primarily to additional flight testing for flight controls, terrain following, and electronic countermeasure systems (\$+542.0 million), and adjustments for prior year escalation rates (\$+304.3 million). These increases were partially offset by the application of revised escalation rates (\$-324.0 million) and a reduction in the estimate for engineering changes (\$-69.0 million).

C-17A - Program costs increased \$892.3 million (+2.6%) from \$34,518.9 million to \$35,411.2 million, due primarily to a redefinition of acceptance spares and additional enroute support equipment requirements (\$+994.5 million), a revised estimate of air vehicle development (\$+223.3 million) and recurring flyaway (\$+176.1 million) costs, and increased development costs due to schedule revisions caused by budget cuts/constraints (\$+82.0 million). These increases were partially offset by the application of revised escalation rates (\$-575.5 million).

C-5B - Program costs decreased \$508.4 million (-6.4%) from \$7,936.1 million to \$7,427.7 million, due primarily to revised estimates for engineering change requirements (\$-154.8 million), a reduction in advance economic price adjustments (\$-241.6 million), and a reduction in initial spares requirements (\$-101.9 million).

CIS (MARK XV IFF) - Program costs decreased \$437.2 million (-26.1%) from \$1,678.4 million to \$1,241.2 million, due primarily to a change in the acquisition strategy from two independent contractors to a single team arrangement.

CSRL - Program costs decreased \$167.0 million (-20.5%) from \$813.8 million to \$646.8 million, due primarily to favorable

contract negotiations (\$-119.6 million), a reduction in expected engineering changes (\$-28.6 million), and the application of revised escalation rates (\$-15.3 million).

DMSP - Program costs decreased \$195.9 million (-9.2%) from \$2,127.0 million to \$1,931.1 million, due primarily to the transfer of funding for Titan II vehicle refurbishment to the Space Boosters Program (\$-61.1 million), the application of revised escalation rates (\$-49.7 million), a decrease in requirements for sensors and ground systems contingency (\$-39.2 million), and a decrease in spacecraft and sensor procurement modifications (\$-20.5 million).

DSCS III - Program costs decreased \$152.6 million (-8.7%) from \$1,762.9 million to \$1,610.3 million, due primarily to removal of the Block-C satellite program from the DSCS program (\$-194.8 million), deletion of the FY 1991 procurement of one satellite (\$-80.8 million), and reduction in engineering changes (\$-17.2 million). This reduction was partially offset by costs for storage and sustainment associated with launch delays (\$+150.5 million).

DSP - Program costs increased \$774.6 million (+11.3%) from \$6,841.2 million to \$7,615.8 million, due primarily to the acquisition of three additional satellites (\$+910.9 million). This increase was partially offset by revised escalation rates (\$-94.4 million), and congressional reductions delaying launch of satellite 14 and software system upgrades (\$-159.7 million).

F-15 - Program costs decreased \$908.3 million (-2.4%) from \$37,978.5 million to \$37,070.2 million, due primarily to a revised program estimate based on a "should cost" study (\$-638.7 million), the application of revised escalation rates (\$-496.8 million), and a reduction in requirements for the Tactical Electronic Warfare Set Intermediate Support System (\$-223.3 million). These decreases were partially offset by a reduced maximum production rate of 42 verses 48 aircraft per year (\$+171.9 million), an increase in required Aerospace Ground Equipment (\$+166.0 million), and an increase in the Avionics Intermediate Shop Test Set (\$+100.5 million).

F-16 - Program costs decreased \$5,807.1 million (-10.9%) from \$53,335.9 million to \$47,528.8 million, due primarily to the deletion of 318 aircraft from the force structure (\$-4,547.4 million), the application of revised escalation rates (\$-847.5 million), a downward revision in estimated cost for engines (\$-923.0 million), a reestimate of airframe costs for remaining buys (\$-355.7 million), and estimated savings for multi-year contracting for 630 aircraft (\$-262.0 million). These decreases were partially offset by increased initial spares requirements for the remaining aircraft (\$+573.2 million), a decrease in production rate from 18 to 15 aircraft per month (\$+630.9 million), and an adjustment for prior year escalation (\$+331.0 million).

HARM (AIR FORCE) - Program costs decreased \$101.7 million (-4.5%) from \$2,279.5 million to \$2,177.8 million, due primarily to a quantity reduction of 707 missiles (\$-198.7 million) and the application of revised escalation rates (\$-18.2 million). These decreases were partially offset by increased costs for remaining missiles (\$+131.2 million).

IIR MAVERICK - Program costs increased \$847.6 million (+13.6%) from \$6,236.1 million to \$7,083.7 million, due primarily to a four-year extension in the procurement schedule (\$+1,208.1 million) and a change in the initial spares requirements (\$+101.8 million). These increases were partially offset by the application of revised escalation rates (\$-108.1 million) and a change in the estimate for multiyear savings (\$-402.9 million).

JTIDS - Program costs of this combined joint Service program increased \$682.7 million (+100.6%) from \$678.4 million to \$1,361.1 million, due primarily to the inclusion of F-15 Peculiar Support Equipment (\$+42.8 million) and the addition of Navy participation in the Air Force and Army programs (\$+618.4 million). The Navy version was terminated last year.

KC-135R - Program costs increased \$5,260.5 million (+69.3%) from \$7,596.7 million to \$12,857.2 million, due primarily to a quantity increase of 246 aircraft modification kits (\$+5,300 million). This increase was partially offset by the application of revised escalation rates (\$-156.8 million).

NAVSTAR GPS - Program costs increased \$195.3 million (+8.9%) from \$2,182.8 million to \$2,378.1 million, due primarily to increased support costs for the Shuttle Recovery Program (\$+207.1 million). This increase was partially offset by the application of revised escalation rates (\$-17.3 million).

NAVSTAR USER EQMT - Program costs decreased \$715.8 million (-14.7%) from \$4,875.8 million to \$4,160.0 million, due primarily to a decrease in aircraft modification and integration requirements (\$-533.5 million), and the application of revised escalation rates (\$-191.5 million).

PEACEKEEPER - Program costs increased \$1,208.6 million (+5.8%) from \$20,811.6 million to \$22,020.2 million, due to a reduced buy schedule of 21 missiles per year (\$+298.4 million), production rate inefficiencies that increase unit costs (\$+1,380.2 million), the addition of 12 missiles to support Rail Garrison basing (\$+377.6 million), and additional initial spares to support Rail Garrison basing (\$+335.8 million). These increases were partially offset by a revised buy schedule for support and test equipment (\$-929.3 million), and the application of revised escalation rates (\$-279.6 million).

SFW - Program costs increased \$758.1 million (+31.5%) from \$2,405.8 million to \$3,163.9 million, due primarily to a quantity increase of 5,808 units (\$+773.9 million), partially

offset by the application of revised escalation rates (\$-13.2 million).

SMALL ICBM - Program costs decreased \$1,050.2 million (-8.3%) from \$12,700 million to \$11,649.8 million, due primarily to refined estimates following successful build of pre-prototype hardware (\$-958.4 million), and the application of revised escalation rates (\$-114.2 million).

SRAM II - Program costs decreased \$599.5 million (-19.6%) from \$3,064.5 million to \$2,465.0 million, due primarily to revised estimates based on contractor proposals under competitive source selection (\$-818.6 million), and revised escalation rates (\$-43.1 million). These decreases were partially offset by revised B-1B integration and support estimates based on a contractor proposal (\$+174.4 million), and increases due to a two-year deferral in production (\$+87.6 million).

TRI-TAC - Program costs decreased \$174.4 million (-7.1%) from \$2,466.0 million to \$2,291.6 million, due primarily to decreased costs for items produced by the other Services (\$-84.3 million), a reduction in spares to support prime mission equipment (\$-53.0 million) and the application of revised escalation rates (\$-24.7 million).

WIS - Program costs increased \$278.8 million (+13.8%) from \$2,027.2 million to \$2,306.0 million, due primarily to the addition of previous funding cuts for outyear requirements (\$+404.6 million), partially offset by the application of revised escalation rates (\$-134.6 million).

Program Acquisition Cost Summary (Dollars in Millions)
As of Date: December 31, 1986

Weapon System	Base Year	Type of Baseline	Baseline Estimate			Changes To Date			Current Estimate			Percent Cost Growth To Date	
			Cost		Quantity	Cost		Quantity	Cost		Quantity	Base Year Adj For Qty	Total Adj For Qty
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$			
Army:													
ADDS	83	PE	1981.5	3038.2	88.0	662.9	577.1	58.0	2644.4	3615.3	146.0	1.2	-8.6
AH-64 (APACHE)	72	DE	1892.4	3789.8	545.0	1215.9	5053.8	57.0	3108.3	8843.6	602.0	58.2	123.2
ATACMS	87	DE	1135.9	1222.3	1050.0	-56.7	-59.0	-	1079.2	1163.3	1050.0	-5.0	-4.8
BRADLEY FVS	72	DE	325.6	436.9	1205.0	2872.9	9281.2	5698.0	3198.5	9718.1	6903.0	157.4	213.2
CH-47D (CHINOOK)	75	DE	882.5	1562.8	364.0	450.7	1507.8	75.0	1333.2	3070.6	439.0	28.5	45.6
COPPERHEAD	75	DE	847.3	1240.7	133058.0	32.0	420.3	-93537.0	879.3	1661.0	39521.0	101.4	167.3
FAADS C2I	85	PE	1011.3	1120.9	-	431.4	586.6	-	1442.7	1707.5	-	42.7	52.3
HELLFIRE	75	DE	488.6	703.4	24841.0	525.1	1704.2	24084.0	1013.7	2407.6	48925.0	58.5	106.5
LHX	84	PE	1756.2	2133.0	-	1215.3	1509.3	-	2971.5	3642.3	-	69.2	70.8
M1 TANK	72	DE	2392.8	4779.4	3325.0	4409.0	17080.6	4532.0	6801.8	21860.0	7857.0	41.6	66.8
MLRS	78	PE	2232.3	3454.0	183.0	372.6	1726.9	419.0	2604.9	5180.9	602.0	-8.0	6.9
MLRS-TGW	84	PE	190.7	211.2	-	76.9	103.4	-	267.6	314.6	-	40.3	49.0
MSE	86	PdE	4428.5	5134.0	48.0	-367.3	-480.0	2.0	4061.2	4654.0	50.0	-14.0	-15.3
OH-58D (AHIP)	82	DE	1667.9	2531.6	583.0	-750.8	-1387.6	-443.0	917.1	1144.0	140.0	13.1	-7.0
PATRIOT	72	DE	4267.4	5240.5	240.0	546.1	7364.7	-132.0	4813.5	12605.2	108.0	52.0	184.9
PERSHING II	79	DE	1198.2	1571.0	16.7	420.7	995.6	-	1618.9	2566.6	16.7	57.8	106.7
RPV (AQUILA)	84	DE	2148.1	2410.0	17.4	-260.9	-290.5	-5.4	1887.2	2119.5	12.0	-1.8	-4.6
SINCGARS	84	PdE	4167.7	5611.7	292915.0	2.4	40.7	-1268.0	4170.1	5652.4	291647.0	0.6	1.4
STINGER	72	DE	410.9	473.8	23202.0	683.3	2802.7	27382.0	1094.2	3276.5	50584.0	120.8	332.5
TOW 2	84	PdE	2302.1	2623.8	141337.0	-45.1	-179.3	-15368.0	2257.0	2444.5	125969.0	4.4	1.0
UH-60A (BLACKHAWK)	71	DE	1942.0	2307.3	1123.0	408.6	4093.0	-2.0	2350.6	6400.3	1121.0	22.1	178.8
Subtotal			37669.9	51596.3		12845.0	52451.5		50514.9	104047.8		26.2	64.6
Navy:													
A-6E/F	84	PdE	3101.1	3224.4	173.0	7473.6	7435.0	172.0	10574.7	10659.4	345.0	75.0	69.7
AN/BSY-1 (SUBACS)	84	PE	2972.4	3827.6	-	-1433.3	-2105.6	-	1539.1	1722.0	-	-48.7	-55.6
AN/SQQ-89	85	PdE	4663.8	5100.3	120.0	-140.3	-181.2	-	4523.5	4919.1	120.0	5.8	5.1
ASPJ	84	DE	227.7	236.4	12.0	315.3	341.0	-	543.0	577.4	12.0	138.5	144.3
AV-8B	79	DE	5740.6	9125.5	342.0	-439.7	360.6	-8.0	5300.9	9486.1	334.0	-6.4	5.9
BATTLESHIP REACT	82	PdE	1476.7	1876.6	4.0	94.5	-87.2	-	1571.2	1789.4	4.0	6.4	-4.7
C/MH-53E	73	DE	464.4	578.4	74.0	854.0	2602.7	83.0	1318.4	3181.1	157.0	19.5	10.3
CG-47 AEGIS	78	PdE	9013.7	14083.5	16.0	5619.1	10785.7	11.0	14632.8	24869.2	27.0	0.9	-3.7
CVN-71	79	DE	1808.3	2420.6	1.0	86.9	120.5	-	1895.2	2541.1	1.0	4.8	5.0
CVN-72/73	82	DE	5265.5	7418.9	2.0	-135.3	-1268.9	-	5130.2	6150.0	2.0	-2.6	-17.1
DDG-51	84	DE	12454.4	18479.6	18.0	3433.4	1637.9	5.0	15887.8	20117.5	23.0	2.2	-10.9
E-2C	85	PdE	5398.0	5921.5	127.0	899.0	904.4	16.0	6297.0	6825.9	143.0	6.2	4.3
E-6A	82	DE	1584.7	2251.7	15.0	-140.1	-323.8	1.0	1444.6	1927.9	16.0	-11.2	-16.7
EA-6B	84	PdE	2239.6	2747.8	38.0	1505.0	1695.0	42.0	3744.6	4442.8	80.0	-4.0	-8.6
F-14A	69	DE	5391.4	6166.0	469.0	2746.7	9308.9	126.0	8138.1	15474.9	595.0	9.4	13.9
F-14D	86	DE	15103.2	19219.8	304.0	2757.6	3720.2	223.0	17860.8	22940.0	527.0	-18.7	-20.3
F/A-18	75	DE	8016.6	12875.3	811.0	6188.1	24600.1	357.0	14204.7	37475.4	1168.0	45.2	144.2
FDS	86	PE	674.7	777.0	1.0	-	-3.8	-	674.7	773.2	1.0	-	-0.5
FFG-7	73	DE	2620.4	3244.5	50.0	1733.2	6203.4	1.0	4353.6	9447.9	51.0	59.8	166.0
HARM (NAVY)	78	DE	977.8	1357.9	6735.0	419.0	1269.2	869.0	1396.8	2627.1	7604.0	32.5	80.1
HARPOON	70	DE	795.0	1031.8	2922.0	758.2	2749.5	1101.0	1553.2	3781.3	4023.0	44.4	100.7
LAMPS MK III	76	DE	2396.7	3907.6	270.0	323.4	1875.2	-61.0	2720.1	5782.8	209.0	19.5	57.2
LCAC	82	PdE	1103.3	1610.7	60.0	625.3	546.7	18.0	1728.6	2157.4	78.0	22.3	-
LHD	82	DE	2931.8	4451.0	3.0	1205.8	710.7	2.0	4137.6	5161.7	5.0	-13.9	-31.4
LSD-41	81	PdE	3223.9	4849.9	12.0	-1131.5	-2325.4	-4.0	2092.4	2524.5	8.0	-8.8	-25.2
MK-48 ADCAP	86	DE	5564.5	6314.0	3401.0	-284.2	-287.3	-	5280.3	6026.7	3401.0	-5.1	-4.6
MK-50 (ALWT)	79	DE	4735.7	6653.7	-	355.3	-139.7	-	5091.0	6514.0	-	8.0	-1.8
P-3C	84	PdE	3735.9	5023.6	80.0	-1952.3	-3017.0	-48.0	1783.6	2006.6	32.0	-20.0	-35.8
PHALANX CIWS	84	PdE	2176.2	2481.7	620.0	523.0	181.2	18.0	2699.2	2662.9	638.0	21.5	4.8
PHOENIX (AIM-54C)	77	DE	372.0	464.3	735.0	2491.3	6350.8	6514.0	2863.3	6815.1	7249.0	4.4	-9.9
SEA LANCE (ASWSOW)	85	DE	1883.2	2341.0	-	74.7	109.9	-	1957.9	2450.9	-	4.9	5.5
SH-60F	85	DE	2353.3	3076.2	175.0	88.4	77.2	-	2441.7	3153.4	175.0	3.8	2.5

Program Acquisition Cost Summary (Dollars in Millions)
As of Date: December 31, 1986

Weapon System	Base Year	Type of Baseline	Baseline Estimate			Changes To Date			Current Estimate			Percent Cost Growth To Date	
			Cost		Quantity	Cost		Quantity	Cost		Quantity	Base Year Adj For Qty	Total Adj For Qty
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$			
SPARROW (AIM-7M)-N	78	DE	633.4	894.9	7349.0	177.3	618.9	639.0	810.7	1513.8	7988.0	32.1	53.6
SSN-21	85	DE	3149.6	3875.0	1.0	4472.1	5381.4	4.0	7621.7	9256.4	5.0	7.6	3.4
SSN-688	71	DE	5126.8	5747.5	32.0	7369.1	24346.6	34.0	12495.9	30094.1	66.0	8.3	-2.4
STD MSL (SM-2)	84	PdE	6571.5	8052.8	10866.0	1603.5	1328.4	3899.0	8175.0	9381.2	14765.0	-2.9	-10.2
T45TS	84	PE	3754.6	5462.0	304.0	-84.7	-737.9	-2.0	3669.9	4724.1	302.0	-1.6	-13.1
TAO FLEET OILER	84	PdE	2607.7	3190.7	17.0	-252.8	-500.5	1.0	2354.9	2690.2	18.0	-15.1	-20.1
TOMAHAWK	77	DE	1806.4	2422.9	1163.0	3863.4	9391.7	2905.0	5669.8	11814.6	4068.0	28.0	17.6
TRIDENT II MSL	83	PE	24262.9	37645.1	740.0	2293.4	-2126.6	105.0	26556.3	35518.5	845.0	1.5	-14.2
TRIDENT II SUB	83	PdE	10548.9	14085.2	7.0	3710.0	2792.8	4.0	14258.9	16878.0	11.0	-8.4	-21.4
V-22 (JVX)	84	PE	14986.6	24467.0	609.0	6699.6	5195.3	310.0	21686.2	29662.3	919.0	12.1	-3.6
Subtotal			193914.9	268981.9		64765.0	119536.0		258679.9	388517.9		4.6	2.7
Air Force:													
AMRAAM	78	DE	4761.8	11591.6	24504.0	106.4	-1129.9	-73.0	4868.2	10461.7	24431.0	2.6	-9.4
ASAT(SPACE DEFENSE)	77	DE	1872.5	3887.4	-	305.0	324.1	-	2177.5	4211.5	-	37.9	38.6
ATF	85	PE	11785.5	15294.0	12.0	-1713.5	-2650.6	-3.0	10072.0	12643.4	9.0	-11.8	-14.7
B-1B	81	DE	20500.0	29537.6	100.0	-321.1	-2244.2	-	20178.9	27293.4	100.0	-1.6	-7.6
C-17A	81	PE	19544.6	39753.8	211.0	993.3	-4342.6	-	20537.9	35411.2	211.0	5.1	-10.9
C-5B	80	PdE	5845.7	9667.3	50.0	-1192.7	-2239.6	-	4653.0	7427.7	50.0	-20.4	-23.2
CIS (MARK XV IFF)	82	PE	1200.6	1672.1	-	-276.4	-430.9	-	924.2	1241.2	-	-23.0	-25.8
CSRL	82	PdE	615.3	813.8	104.0	-107.1	-167.0	-	508.2	646.8	104.0	-17.4	-20.5
DMSP	75	PdE	718.7	1879.0	9.0	56.4	52.1	1.0	775.1	1931.1	10.0	-0.6	-6.7
DSCS III	77	DE	631.1	893.6	14.0	268.9	716.7	-	900.0	1610.3	14.0	42.6	80.1
DSP	78	DE	4424.6	5547.6	19.0	1012.9	2068.2	6.0	5437.5	7615.8	25.0	-0.4	-3.1
F-15	70	DE	5991.0	7355.2	749.0	7036.9	29715.0	537.0	13027.9	37070.2	1286.0	39.2	67.7
F-16	75	DE	4376.8	6054.5	658.0	14746.0	41474.3	2079.0	19122.8	47528.8	2737.0	64.0	80.0
GLCM	77	DE	1053.6	1527.2	702.0	873.6	2069.5	-100.0	1927.2	3596.7	602.0	103.8	164.6
HARM (AIR FORCE)	78	DE	704.0	1052.0	7118.0	415.8	1125.8	-4.0	1119.8	2177.8	7114.0	59.1	107.1
I-S/A AMPE	85	DE	691.2	829.5	94.0	-226.6	-274.3	-1.0	464.6	555.2	93.0	-32.6	-32.9
IIR MAVERICK AGM-65	75	DE	995.1	1592.9	31113.0	1582.0	5490.8	29584.0	2577.1	7083.7	60697.0	71.0	124.4
IUS (SPACE SHUTTLE)	75	DE	963.0	2012.3	18.0	-258.8	-731.4	-10.0	704.2	1280.9	8.0	-2.4	-4.3
JSTARS	83	PE	1185.3	1388.2	8.0	1750.0	2466.7	105.0	2935.3	3854.9	113.0	31.2	34.5
JTIDS	81	DE	309.0	382.5	20.0	681.8	978.6	85.0	990.8	1361.1	105.0	30.5	31.1
KC-10A	76	PdE	2425.8	5222.0	72.0	-366.2	-1399.2	-12.0	2059.6	3822.8	60.0	0.7	-9.8
KC-135R	81	PdE	5229.1	7829.2	334.0	2539.1	5028.0	307.0	7768.2	12857.2	641.0	-9.2	-8.6
LANTIRN	80	DE	2102.1	3823.2	1328.0	355.5	285.4	84.0	2457.6	4108.6	1412.0	15.0	5.5
MLS	82	PE	105.5	144.0	506.0	133.8	199.0	210.0	239.3	343.0	716.0	5.8	8.3
NAVSTAR GPS	79	DE	1599.4	2306.7	40.0	-4.4	71.4	-	1595.0	2378.1	40.0	-0.3	3.1
NAVSTAR USER EQMT	79	DE	2554.9	4875.8	27339.0	-265.8	-715.8	-	2289.1	4160.0	27339.0	-10.4	-14.7
OTH-B	82	DE	1145.3	1419.4	8.0	782.3	1075.4	4.0	1927.6	2494.8	12.0	18.1	18.4
PEACEKEEPER	82	DE	16634.9	21680.2	243.0	155.1	340.0	12.0	16790.0	22020.2	255.0	-0.5	-0.2
SFW	79	DE	1219.8	2405.8	14084.0	349.7	758.1	5808.0	1569.5	3163.9	19892.0	0.5	-0.2
SMALL ICBM	84	PE	10585.5	12700.0	22.0	-808.9	-1050.2	-	9776.6	11649.8	22.0	-7.6	-8.3
SPARROW (AIM-7M)-AF	78	DE	280.3	363.2	3790.0	404.0	807.2	2531.0	684.3	1170.4	6321.0	54.5	75.4
SRAM II	83	PE	2231.1	3064.5	1633.0	-447.2	-599.5	-	1783.9	2465.0	1633.0	-20.0	-19.6
T-46A	81	DE	2120.6	3492.4	652.0	-1749.4	-3020.9	-640.0	371.2	471.5	12.0	-38.5	-47.8
TITAN IV (CELV)	85	DE	2150.5	2529.2	10.0	1570.1	1805.4	13.0	3720.6	4334.6	23.0	2.9	0.3
TRI-TAC	76	PdE	1127.0	2225.2	363.0	44.4	66.4	158.0	1171.4	2291.6	521.0	-5.9	-9.1
WIS(WMCCS INF SYS)	82	DE	1427.0	1857.0	35.0	319.7	449.0	-	1746.7	2306.0	35.0	22.4	24.2
Subtotal			141108.2	218669.9		28744.6	76371.0		169852.8	295040.9		7.3	11.4
Grand Total			372693.0	539248.1		106354.6	248358.5		479047.6	787606.6		7.5	11.5

Distribution of Cost Changes (Base-Year Constant Dollars)
As of Date: December 31, 1986

Weapon System	Base Year	Cost Changes Between the Baseline and Current Estimate (Base-Year Constant Dollars)													
		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
		This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Army:															
21 ADDS	83	310.3	631.0	-	-	19.1	-180.2	275.5	212.1	-	-	-	-	604.9	662.9
33 AH-64 (APACHE)	72	-134.1	72.8	-	105.8	14.5	76.9	75.8	721.1	-	-	-73.0	239.3	-116.8	1215.9
9 ATACMS	87	-	-	-	-	-	-	-56.7	-56.7	-	-	-	-	-56.7	-56.7
36 BRADLEY FVS	72	-	916.9	-	73.2	86.0	571.9	-221.7	948.4	-	11.0	-60.6	351.5	-196.3	2872.9
99 CH-47D (CHINOOK)	75	-	154.7	-	41.4	-	-	3.8	222.9	-	-	-0.8	31.7	3.0	450.7
99 COPPERHEAD	75	44.0	-410.6	23.4	149.4	-	16.2	38.1	261.5	-	4.6	-	10.9	105.5	32.0
FAADS C2I	85	-	-	106.6	139.7	-	196.4	50.7	19.8	-	-	75.5	75.5	232.8	431.4
HELLFIRE	75	-	150.9	3.7	66.3	-	127.7	-36.0	182.0	-	-	-0.8	-1.8	-33.1	525.1
LHX	84	-	-	-	-	-	-	1215.3	1215.3	-	-	-	-	1215.3	1215.3
M1 TANK	72	578.9	2409.3	-	123.1	-89.9	422.9	227.9	1332.6	-	-	-67.3	121.1	649.6	4409.0
MLRS	78	366.5	598.8	-	-27.5	-	-	62.2	-181.2	-	10.0	-7.0	-27.5	421.7	372.6
MLRS-TGW	84	-	-	10.4	14.3	1.3	1.3	64.9	61.3	-	-	-	-	76.6	76.9
MSE	86	293.4	293.4	-	-	-	-	-660.7	-660.7	-	-	-	-	-367.3	-367.3
OH-58D (AHIP)	82	-857.0	-857.0	-	73.0	-	32.1	-5.6	159.8	-	-	-314.7	-158.7	-1177.3	-750.8
PATRIOT	72	58.7	-1100.2	-	674.7	35.8	-290.2	106.1	726.9	-	24.5	-17.5	510.4	183.1	546.1
PERSHING II	79	-	-172.4	-	145.4	-	53.7	-6.6	375.8	-	-18.4	-	36.6	-6.6	420.7
RPV (AQUILA)	84	345.6	-226.9	36.4	19.0	-	-16.7	48.8	-51.4	-	-	15.1	15.1	445.9	-260.9
SINGARS	84	-	-23.6	-	20.3	-	7.0	54.9	368.9	-	-	-115.2	-370.2	-60.3	2.4
STINGER	72	-26.0	84.7	6.9	178.9	-2.8	82.9	-183.1	305.3	-	6.0	-	25.5	-205.0	683.3
TOW 2	84	-26.6	-140.8	10.7	37.3	-27.2	212.9	-37.8	-131.2	-	-	-40.5	-23.3	-121.4	-45.1
UH-60A (BLACKHAWK)	71	3.2	-17.0	5.6	-99.1	-	28.6	32.8	576.3	-	13.4	10.5	-93.6	52.1	408.6
Subtotal		956.9	2364.0	203.7	1735.2	36.8	1343.4	1048.6	6608.8	-	51.1	-596.3	742.5	1649.7	12845.0
Navy:															
A-6E/F	84	-	2940.1	-	-	271.6	872.5	195.9	2219.3	-	-	-73.1	1441.7	394.4	7473.6
AN/BSY-1 (SUBACS)	84	82.1	25.1	-	25.6	42.0	65.4	42.4	59.0	-	-1918.0	-	309.6	166.5	-1433.3
AN/SQQ-89	85	-120.4	-386.8	-	5.6	39.9	220.4	-202.3	34.8	-	-	-	-14.3	-282.8	-140.3
ASPJ	84	-	-	5.1	21.8	-35.4	40.8	252.7	252.7	-	-	-	-	222.4	315.3
AV-8B	79	-	-77.6	166.3	794.8	19.1	365.0	-81.8	-1683.5	-	-	113.4	161.6	217.0	-439.7
BATTLESHIP REACT	82	-	-	-	101.2	-	-	26.1	-6.7	-	-	-	-	26.1	94.5
C/MH-53E	73	-56.0	638.9	-	34.8	-	173.2	28.5	-191.8	-	2.4	5.6	196.5	-21.9	854.0
CG-47 AEGIS	78	-	5491.4	-	-2.6	-45.6	593.6	101.5	-686.2	-	-	-12.2	222.9	43.7	5619.1
CVN-71	79	-	-	-	-	-	-	28.3	34.6	-	-	-1.1	4.8	33.5	86.9
CVN-72/73	82	-	-	-	-	-	-	-94.8	-144.3	-	-	-19.0	9.0	-113.8	-135.3
DDG-51	84	3098.2	3098.2	-	-	-	-	-55.0	240.9	-	-	-19.0	9.0	-113.8	-135.3
E-2C	85	351.9	534.3	-	-	-	-	153.3	217.3	-	-	190.8	97.6	3104.6	3433.4
E-6A	82	41.1	41.1	-38.2	-5.3	-103.5	-9.5	18.7	10.4	-	-	-96.0	-176.8	-177.9	-140.1
EA-6B	84	-136.8	1661.3	-1.8	122.7	-	-	111.3	-574.6	-	-	241.4	295.6	214.1	1505.0
F-14A	69	-	2045.4	-	278.1	-	1453.8	0.8	-1712.2	-	73.8	9.8	607.8	10.6	2746.7
F-14D	86	6852.8	6852.8	-457.8	-457.8	174.4	174.4	-4332.9	-4332.9	-	-	521.1	521.1	2757.6	2757.6
F/A-18	75	-1311.5	1768.1	377.8	784.3	-14.6	726.3	280.9	1782.5	-	4.5	130.3	1122.4	-537.1	6188.1
FDS	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FFG-7	73	-	104.4	-	210.3	-	492.9	2.6	829.7	-	-	-4.7	95.9	-2.1	1733.2
HARM (NAVY)	78	-5.4	76.6	8.9	227.0	-	12.0	4.7	129.7	-	-	-5.4	-26.3	2.8	419.0
HARPOON	70	18.1	280.4	-	-	1.1	14.3	-58.1	290.6	-	-	-0.8	172.9	-39.7	758.2
LAMPS MK III	76	-	-119.8	-	199.3	15.3	112.6	-128.1	151.8	-	-	-144.1	-20.5	-256.9	323.4
LCAC	82	144.4	310.2	18.0	-3.6	-	-	-29.5	284.4	-	-	5.8	34.3	138.7	625.3
LHD	82	-	1872.9	-	-187.4	-	-	-755.3	-574.2	-	-	13.8	94.5	-741.5	1205.8
LSD-41	81	-	-928.5	-	-	-	-	10.7	-167.9	-	-	-5.3	-35.1	5.4	-1131.5
MK-48 ADCAP	86	-	-	300.7	300.7	-	-	-552.5	-552.5	-	-	-32.4	-32.4	-284.2	-284.2
MK-50 (ALWT)	79	14.6	-21.2	329.4	327.0	7.5	25.7	-184.5	23.6	-	-	2.8	0.2	169.8	355.3
P-3C	84	-1506.0	-1506.0	2.1	242.3	-	-	-59.5	-495.8	-	-	-388.5	-192.8	-1951.9	-1952.3
PHALANX CIWS	84	53.2	45.0	-	-	-	-	85.1	293.2	-	-	21.8	37.5	160.1	523.0
PHOENIX (AIM-54C)	77	-	2371.4	-	57.3	4.2	158.1	-15.2	-315.2	-	20.5	2.3	199.2	-8.7	2491.3
SEA LANCE (ASWSOW)	85	-16.5	-16.5	91.2	91.2	-	-	-	-	-	-	-	-	74.7	74.7
SH-60F	85	-	-	-	-	-	-	-28.9	-28.9	-	-	117.3	117.3	88.4	88.4
SPARROW (AIM-7M)-N	78	-248.7	-19.7	-61.3	85.0	-	-	-1.7	74.1	-	-	-55.0	37.9	-366.7	177.3

Distribution of Cost Changes (Base-Year Constant Dollars)
As of Date: December 31, 1986

Weapon System	Base Year	Cost Changes Between the Baseline and Current Estimate (Base-Year Constant Dollars)													
		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
		This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
SSN-21	85	1866.1	3935.4	-	-	-	-	122.6	372.3	-	-	53.6	164.4	2042.3	4472.1
SSN-688	71	-196.0	6412.0	-	14.6	-9.0	559.6	0.6	-148.5	-	298.5	-70.6	232.9	-275.0	7369.1
STD MSL (SM-2)	84	685.4	1848.7	-375.2	-375.2	263.1	319.7	-127.1	-222.3	-	-	-100.2	32.6	346.0	1603.5
T45TS	84	-	-24.7	-	-497.4	-	235.9	-26.0	4.9	-	-	36.5	196.6	10.5	-84.7
TAO FLEET OILER	84	-103.7	166.4	-	-	-	-	-107.1	-419.2	-	-	-	-	-210.8	-252.8
TOMAHAWK	77	-	2623.5	-374.1	-127.2	-23.9	817.9	-137.0	-167.6	-	-	-51.0	716.8	-586.0	3863.4
TRIDENT II MSL	83	454.0	1901.1	-	79.8	-	-	415.8	349.9	-	-	-19.8	-37.4	850.0	2293.4
TRIDENT II SUB	83	1188.0	5013.8	-	-	-	-	-384.9	-1303.8	-	-	-	-	803.1	3710.0
V-22 (JVX)	84	4360.6	4360.6	275.8	404.5	-	-	179.5	45.5	-	-	2303.7	1889.0	7119.6	6699.6
Subtotal		15509.5	53318.3	266.9	2751.4	606.2	7650.0	-5293.9	-6007.7	-	-1518.3	2752.2	8571.3	13840.9	64765.0
Air Force:															
AMRAAM	78	-	-18.7	-	-158.2	-	66.6	118.9	367.4	-	-	-50.9	-150.7	68.0	106.4
ASAT (SPACE DEFENSE)	77	12.8	-292.9	-	209.9	100.8	152.8	134.4	259.5	-	-	-39.9	-24.3	208.1	305.0
ATF	85	-369.0	-369.0	-	-	-	-	263.0	-1563.1	-	-	218.6	218.6	112.6	-1713.5
B-1B	81	-	-	-	-	-	-	533.5	-96.4	-	-	30.0	-224.7	563.5	-321.1
C-17A	81	-	-	44.4	172.3	-	123.9	282.8	-355.5	-	-	515.9	1052.6	843.1	993.3
C-5B	80	-	-	-	-	-	-	-152.5	-816.8	-	-	-64.1	-375.9	-216.6	-1192.7
CIS (MARK XV IFF)	82	-	-	-	-	-	-	-282.2	-282.1	-	-	-	5.7	-282.2	-276.4
CSRL	82	-	-	-	-	-	-	-71.7	-71.7	-	-	-35.4	-35.4	-107.1	-107.1
DMSP	75	-	61.2	-	-	-5.3	3.2	-56.2	-38.3	-	-	4.0	30.3	-57.5	56.4
DSCS III	77	-21.3	-	-	50.3	-73.6	119.5	26.8	60.7	-	38.4	-	-	-68.1	268.9
DSP	78	533.1	1033.8	-	-	-	-	-171.9	-334.7	-	-	9.9	313.8	371.1	1012.9
F-15	70	-	3365.7	-	513.9	14.8	1213.2	-139.6	-67.1	-	619.1	-14.5	1392.1	-139.3	7036.9
F-16	75	-902.5	7285.7	-15.1	297.3	-350.4	4919.0	-257.0	-1420.5	-	40.1	-237.2	3624.4	-1762.2	14746.0
GLCM	77	-	-108.0	-	16.2	-	35.8	-29.4	566.0	-	73.9	5.7	289.7	-23.7	873.6
HARM (AIR FORCE)	78	-61.6	-0.3	-37.4	384.2	-	-	64.6	5.5	-	-	0.8	26.4	-33.6	415.8
I-S/A AMPE	85	-2.1	-2.1	-	0.8	-	-	-21.2	-218.4	-	-	-0.5	-6.9	-23.8	-226.6
IIR MAVERICK AGM-65	75	-	512.0	307.8	450.0	-	10.6	-110.5	537.9	-	-	32.4	71.5	229.7	1582.0
IUS (SPACE SHUTTLE)	75	-	-241.4	-	-	-	1.5	8.1	-10.7	-	-	-	-8.2	8.1	-258.8
JSTARS	83	-	1052.3	-	-	-	-	27.3	245.5	-	-	-7.6	452.2	19.7	1750.0
JTIDS	81	420.7	450.0	-	-1.5	3.2	204.2	13.5	-9.5	-	-	27.7	38.6	465.1	681.8
KC-10A	76	-	-380.0	-	-	1.1	3.4	-13.1	-1.6	-	-	-2.1	12.0	-14.1	-366.2
KC-135R	81	2577.5	3327.2	-	-	-	-	7.2	-979.5	-	-	192.9	191.4	2777.6	2539.1
LANTIRN	80	-	35.4	-	19.8	3.0	-46.0	62.2	310.2	-	-	20.2	36.1	85.4	355.5
MLS	82	-	120.6	-	-	-	-	-10.3	-25.7	-	-	20.7	38.9	10.4	133.8
NAVSTAR GPS	79	-	-	-	4.5	-	89.9	-24.0	-236.1	-	-	128.3	137.3	104.3	-4.4
NAVSTAR USER EQMT	79	-	-	-	-	-	-	-106.0	-106.0	-	-	-159.8	-159.8	-265.8	-265.8
OTH-B	82	-	487.5	-	6.1	66.1	185.9	-40.4	44.8	-	-	-34.6	58.0	-8.9	782.3
PEACEKEEPER	82	259.9	236.4	-	17.6	-	-72.5	854.5	1107.5	-	-	-433.9	-1133.9	680.5	155.1
SFW	79	342.0	342.0	-	-	-	-	4.0	4.0	-	-	3.7	3.7	349.7	349.7
SMALL ICBM	84	-	-	-	-	-	-	-808.9	-808.9	-	-	-	-	-808.9	-808.9
SPARROW (AIM-7M)-AF	78	1.2	162.7	-	-12.4	-	-	19.5	220.6	-	-	-31.1	33.1	-10.4	404.0
SRAM II	83	-	-	-	-	-	-	-372.0	-372.0	-	-	-75.2	-75.2	-447.2	-447.2
T-46A	81	-	-1516.8	-	2.7	-	-	-12.6	6.0	-	-	-4.3	-241.3	-16.9	-1749.4
TITAN IV (CELV)	85	-	1466.4	-	-	35.0	-310.8	81.4	752.2	-	-	-31.8	-337.7	84.6	1570.1
TRI-TAC	76	11.5	118.1	-	-	-	9.2	-60.5	-63.2	-	-	-27.2	-19.7	-76.2	44.4
WIS(WMMCCS INF SYS)	82	-	-	-	-	-	25.7	191.3	295.9	-	-	-	-1.9	191.3	319.7
Subtotal		2802.2	17127.8	299.7	1973.5	-205.3	6735.1	-47.0	-3094.1	-	771.5	-39.3	5230.8	2810.3	28744.6
Grand Total		19268.6	72810.1	770.3	6460.1	437.7	15728.5	-4292.3	-2493.0	-	-695.7	2116.6	14544.6	18300.9	106354.6

Distribution of Cost Changes (Current-Year Dollars)
As of Date: December 31, 1986

Weapon System	Cost Changes Between the Baseline and Current Estimate (Current-Year Dollars)															
	Economic		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Army:																
ADDS	-16.0	-415.6	444.3	918.2	-	-	25.3	-258.1	397.0	332.6	-	-	-	-	850.6	577.1
AH-64 (APACHE)	-100.5	629.5	-449.6	173.3	-	538.9	48.6	217.7	361.1	2474.4	-	-	-222.4	1020.0	-362.8	5053.8
ATACMS	-2.9	-2.9	-	-	-	-	-	-	-56.1	-56.1	-	-	-	-	-59.0	-59.0
BRADLEY FVS	-168.0	-456.1	-	2666.1	71.8	686.8	310.1	1757.6	-788.4	3539.3	-	17.9	-220.5	1069.6	-795.0	9281.2
CH-47D (CHINOOK)	-40.0	151.4	-	545.5	-	-7.6	-	-	7.6	757.2	-	-	-0.8	61.3	-33.2	1507.8
COPPERHEAD	-24.3	51.1	71.8	-619.2	60.0	330.7	-	26.8	132.9	609.9	-	6.3	-	14.7	240.4	420.3
FAADS C2I	4.7	-16.7	-	-	127.5	245.6	-	235.7	65.2	33.2	-	-	88.8	88.8	286.2	586.6
HELLFIRE	-48.0	131.9	-	462.3	8.8	455.5	-	317.3	-104.9	337.4	-	-	-2.6	-0.2	-146.7	1704.2
LHX	-24.0	-24.0	-	-	-	-	-	-	1533.3	1533.3	-	-	-	-	1509.3	1509.3
M1 TANK	-219.7	223.9	2467.8	8326.1	-	1175.8	-346.7	1508.5	818.0	5235.1	-	-	-262.0	611.2	2457.4	17080.6
MLRS	-60.5	749.0	888.6	1392.1	-	-2.0	-	-	122.6	-405.4	-	18.6	-16.0	-25.4	934.7	1726.9
MLRS-TGW	35.6	-12.0	-	-	15.1	22.3	1.5	1.5	41.8	91.6	-	-	-	-	94.0	103.4
MSE	-26.8	-26.8	360.0	360.0	-	-	-	-	-813.2	-813.2	-	-	-	-	-480.0	-480.0
OH-58D (AHIP)	-21.5	-330.4	-1302.1	-1302.1	-	177.0	-	47.1	-6.6	227.1	-	-	-469.2	-206.3	-1799.4	-1387.6
PATRIOT	-103.5	2055.9	225.2	-816.5	-	2349.7	138.9	-103.2	309.7	2418.1	-	27.6	-61.0	1433.1	509.3	7364.7
PERSHING II	-3.2	298.8	-	-329.5	-	239.1	-	96.9	-12.7	660.9	-	-30.0	-	59.4	-15.9	995.6
RPV (AQUILA)	-10.9	-83.2	458.3	-188.2	53.8	62.6	-	-110.6	65.3	5.7	-	-	23.2	23.2	589.7	-290.5
SINCGARS	-26.6	-445.2	-	-38.0	297.3	625.1	-	8.7	10.0	397.3	-	-	-155.8	-507.2	124.9	40.7
STINGER	-76.4	419.8	-69.8	283.7	28.4	841.0	-7.3	201.3	-682.4	981.9	-	7.3	-	67.7	-807.5	2802.7
TOW 2	-50.4	-155.4	-36.3	-202.3	26.7	112.3	-28.9	278.6	-49.3	-200.7	-	-	-48.4	-11.8	-186.6	-179.3
UH-60A (BLACKHAWK)	-133.7	1207.9	10.5	-11.5	18.6	-39.3	-	151.8	67.7	2750.1	-	19.9	35.6	14.1	-1.3	4093.0
Subtotal	-1116.6	3950.9	3068.7	11620.0	708.0	7813.5	141.5	4377.6	1418.6	20909.7	-	67.6	-1311.1	3712.2	2909.1	52451.5
Navy:																
A-6E/F	-916.8	-1189.8	-	3056.3	-	-	355.7	997.6	1038.5	2237.1	-	-	-109.0	2333.8	368.4	7435.0
AN/BSY-1 (SUBACS)	-16.2	-88.3	108.9	46.8	-	25.0	54.0	81.9	59.2	80.0	-	-2637.6	-	386.6	205.9	-2105.6
AN/SQQ-89	-75.0	54.9	-175.3	-421.6	53.5	162.8	47.9	257.6	-389.0	-226.3	-	-	-	-8.6	-537.9	-181.2
ASPJ	-0.2	-1.6	-	-	5.2	25.4	-41.9	52.1	265.1	265.1	-	-	-	-	228.2	341.0
AV-8B	-104.9	-952.2	-	-171.0	377.0	1505.5	43.4	733.1	-191.2	-1205.5	-	-	257.0	450.7	381.3	360.6
BATTLESHIP REACT	-57.1	-193.6	-	-	-	132.2	-	-	30.9	-25.8	-	-	-	-	-26.2	-87.2
C/MH-53E	-29.8	-157.7	-239.0	2306.2	-	65.4	-	457.3	135.3	-696.9	-	3.0	15.6	625.4	-117.9	2602.7
CG-47 AEGIS	-649.1	-679.3	-	11739.0	-75.5	541.4	-82.5	980.6	58.5	-2266.8	-	-	-23.2	470.8	-771.8	10785.7
CVN-71	-	15.3	-	-	-	-	-	22.0	51.5	80.2	-	-	-1.6	3.0	49.9	120.5
CVN-72/73	-168.0	-805.0	-	-	-	-	-	-	-48.6	-469.0	-	-	-24.3	5.1	-240.9	-1268.9
DDG-51	-591.9	-2595.7	4097.0	4097.0	97.8	227.5	-	-	-50.9	-227.1	-	-	89.2	136.2	3641.2	1637.9
E-2C	-56.0	-130.3	390.5	622.7	-	-	-	-	24.6	218.0	-	-	223.2	102.2	775.7	904.4
E-6A	-68.7	-227.9	61.2	61.2	-63.4	-5.5	-149.1	47.6	66.3	89.6	-	-	-167.0	-288.8	-320.7	-323.8
EA-6B	-100.3	554.2	-180.3	2113.7	25.8	174.7	-	-	150.6	-1551.0	-	-	311.5	403.4	207.3	1695.0
F-14A	-100.2	-1880.7	-	7416.2	-	2328.1	-	5425.3	-5.2	-6113.9	-	79.7	40.4	2054.2	-65.0	9308.9
F-14D	-41.5	-41.5	9561.8	-859.2	-859.2	-859.2	221.8	221.8	-5853.9	-5853.9	-	-	691.2	691.2	3720.2	3720.2
F/A-18	-697.9	6031.8	-4398.7	2471.7	1852.3	5601.1	-39.7	2270.4	1040.3	4862.3	-	6.5	396.2	3356.3	-1847.5	24600.1
FDS	-3.8	-3.8	-	-	-	-	-	-	-	-	-	-	-	-	-3.8	-3.8
FFG-7	-80.9	2188.5	-	307.6	-	1601.1	-	905.4	6.1	979.9	-	-	-11.6	220.9	-86.4	6203.4
HARM (NAVY)	-59.9	359.1	-12.4	100.6	30.0	799.0	-	14.0	15.2	38.5	-	-	-13.6	-42.0	-40.7	1269.2
HARPOON	-7.3	119.9	14.1	852.5	-	-	-	4.2	73.3	-227.5	-	-	-4.2	519.0	-220.7	2749.5
LAMPS MK III	-47.1	-259.8	-	-228.9	-	1566.4	46.0	305.3	-254.5	231.2	-	-	-295.5	261.0	-551.1	1875.2
LCAC	-77.5	-451.9	202.8	545.5	43.0	33.3	-	-	-47.2	380.2	-	-	7.4	39.6	128.5	546.7
LHD	-267.7	-1469.2	-	3075.0	-	-233.9	-	-	-957.8	-809.8	-	-	24.1	148.6	-1201.4	710.7
LSD-41	-81.2	-526.4	-	-1476.4	-	-	-	-	12.1	-264.7	-	-	-6.7	-57.9	-75.8	-2325.4
MK-48 ADCAP	-38.3	-38.3	-	-	404.3	404.3	-	-	-613.1	-613.1	-	-	-40.2	-40.2	-287.3	-287.3
MK-50 (ALWT)	-87.8	-718.1	16.0	-23.1	574.1	570.8	8.2	28.1	-184.8	2.6	-	-	3.4	-	329.1	-139.7
P-3C	-97.6	-435.4	-1897.2	-1897.2	3.1	316.3	-	-	-74.8	-672.5	-	-	-535.0	-328.2	-2601.5	-3017.0
PHALANX CIWS	-43.1	-342.9	71.6	59.3	11.4	26.9	-	186.4	99.4	195.1	-	-	27.5	56.4	166.8	181.2
PHOENIX (AIM-54C)	-141.2	-608.5	-	7098.7	-	390.7	9.8	347.6	-21.0	-1507.6	-	41.0	17.4	588.9	-135.0	6350.8
SEA LANCE (ASWSOW)	-27.7	-27.7	-18.4	-18.4	156.0	156.0	-	-	-	-	-	-	-	-	109.9	109.9
SH-60F	-34.8	-34.8	-	-	-	-	-	-	-26.2	-26.2	-	-	138.2	138.2	77.2	77.2
SPARROW (AIM-7M)-N	-13.2	196.3	-559.7	90.5	-133.2	210.9	-	-	-3.0	37.1	-	-	-124.4	84.1	-833.5	618.9

Distribution of Cost Changes (Current-Year Dollars)
As of Date: December 31, 1986

Weapon System	Cost Changes Between the Baseline and Current Estimate (Current-Year Dollars)															
	Economic		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
SSN-21	-143.2	-363.0	2392.3	5080.8	-	-	-	-	109.8	427.3	-	-	76.9	236.3	2435.8	5381.4
SSN-688	-903.9	-4386.3	-606.8	25089.5	-	87.3	-27.7	2045.3	2.7	-133.8	-	412.8	-245.1	1231.8	-1780.8	24346.6
STD MSL (SM-2)	-197.6	-911.2	776.6	2398.5	-320.3	-311.0	305.9	376.3	-177.9	-296.4	-	-	-78.1	72.2	308.6	1328.4
T45TS	-100.9	-754.0	-	-23.8	-	-603.6	-	326.4	-38.7	-32.0	-	-	50.4	349.1	-89.2	-737.9
TAO FLEET OILER	-50.7	-163.1	-180.8	177.6	-	-	-	-	-138.8	-515.0	-	-	-	-	-370.3	-500.5
TOMAHAWK	-378.7	-1906.8	-	7626.6	-505.9	345.8	-43.1	1759.7	-186.1	-203.4	-	-	-104.5	1769.8	-1218.3	9391.7
TRIDENT II MSL	-657.5	-6880.1	764.6	3727.1	-	343.2	-	-	662.3	729.4	-	-	-23.9	-46.2	745.5	-2126.6
TRIDENT II SUB	-593.0	-2923.6	1614.2	7398.0	-	-	-	-	-483.0	-1681.6	-	-	-	-	538.2	2792.8
V-22 (JVX)	-377.3	-4538.4	6303.0	6303.0	595.9	757.9	-	-	155.1	29.4	-	-	3180.8	2643.4	9857.5	5195.3
Subtotal	-8185.5	-27166.9	18106.0	109163.0	2271.9	16385.8	712.9	17939.7	-5796.3	-13257.3	-	-2094.6	3742.5	18566.3	10851.5	119536.0
Air Force:																
AMRAAM	-176.9	-2109.3	-	-39.2	33.3	258.1	-	175.4	305.5	888.7	-	-	-101.4	-303.6	60.5	-1129.9
ASAT (SPACE DEFENSE)	-85.8	-279.0	26.2	-849.3	41.2	660.5	206.4	311.4	284.2	552.1	-	-	-96.4	-71.6	375.8	324.1
ATF	-31.3	-665.8	-467.7	-467.7	149.3	407.1	-	-	330.8	-2206.2	-	-	282.0	282.0	263.1	-2650.6
B-1B	-329.9	-1650.3	-	-	-	-	-	-	783.2	-549.5	-	-	14.2	-44.4	467.5	-2244.2
C-17A	-575.5	-5919.9	-	-	82.0	496.2	-	228.6	386.2	-961.2	-	-	999.6	1813.7	892.3	-4342.6
C-5B	-163.5	-231.2	-	-	-	36.0	-	-	-240.5	-1445.9	-	-	-104.4	-598.5	-508.4	-2239.6
CIS (MARK XV IFF)	-8.0	-89.7	-	-	-	81.2	-	-	-429.2	-429.1	-	-	-	6.7	-437.2	-430.9
CSRL	-15.3	-15.3	-	-	-	-	-	-	-100.8	-100.8	-	-	-50.9	-50.9	-167.0	-167.0
DMSP	-49.7	-170.6	-	190.2	-	-	-12.6	4.1	-142.6	-65.4	-	-	9.0	93.8	-195.9	52.1
DSCS III	-19.5	85.7	-51.1	0.4	-	123.7	-157.2	225.5	75.2	204.0	-	77.4	-	-	-152.6	716.7
DSP	-94.4	-197.2	1215.0	2309.8	-	51.8	-	-	-378.9	-719.2	-	-	32.9	623.0	774.6	2068.2
F-15	-496.8	657.2	-	14749.2	171.9	3022.4	40.4	4024.3	-754.5	114.9	-	767.7	130.7	6379.3	-908.3	29715.0
F-16	-847.5	-2124.6	-3181.4	20357.7	581.3	1723.5	-949.1	15155.9	-770.5	-3559.5	-	56.4	-639.9	9864.9	-5807.1	41474.3
GLCM	-30.0	282.2	-	-168.0	-2.2	136.4	-	61.9	-60.6	1058.1	-	132.8	15.6	566.1	-77.2	2069.5
HARM (AIR FORCE)	-18.2	-17.9	-101.9	-0.5	-116.2	1057.5	-	-	133.1	47.8	-	-	1.5	38.9	-101.7	1125.8
I-S/A AMPE	-0.7	-16.1	-2.2	-2.2	-	5.7	-	-	-21.9	-253.0	-	-	-0.6	-8.7	-25.4	-274.3
IIR MAVERICK AGM-65	-108.1	-170.7	-	1563.3	1208.1	2364.3	-	30.0	-366.7	1466.0	-	-	114.3	237.9	847.6	5490.8
IUS (SPACE SHUTTLE)	-5.7	-17.5	-	-673.3	-	-	-	3.6	20.9	-19.6	-	-	-	-24.6	15.2	-731.4
JSTARS	-50.0	-69.2	-	1478.3	49.0	49.0	-	-	53.6	349.2	-	-	4.1	659.4	56.7	2466.7
JTIDS	-4.2	-40.8	618.4	655.6	-	22.8	4.4	295.7	21.3	-10.8	-	-	42.8	56.1	682.7	978.6
KC-10A	-24.9	-328.9	-	-983.2	-	-	2.2	7.4	-26.9	-144.1	-	-	-3.7	49.6	-53.3	-1399.2
KC-135R	-156.8	-506.0	4943.4	6240.5	67.8	376.9	-	-	19.8	-1507.8	-	-	386.3	424.4	5260.5	5028.0
LANTIRN	-142.2	-352.4	-	71.4	-	32.8	5.0	-62.7	110.9	534.1	-	-	34.9	62.2	8.6	285.4
MLS	-3.4	-7.1	-	172.8	7.7	9.7	-	-	-17.8	-35.5	-	-	32.8	59.1	19.3	199.0
NAVSTAR GPS	-17.3	-101.3	-	-	-	73.9	-	143.1	-39.9	-321.0	-	-	252.5	276.7	195.3	71.4
NAVSTAR USER EQMT	-191.5	-191.5	-	-	-	-	-	-	-202.1	-202.1	-	-	-322.2	-322.2	-715.8	-715.8
OTH-B	-26.5	-94.4	-	687.8	5.1	37.6	97.8	277.2	-52.8	77.1	-	-	-48.8	90.1	-25.2	1075.4
PEACEKEEPER	-300.4	-921.4	407.9	377.6	298.4	767.7	-	-97.1	1363.9	1774.8	-	-	-561.2	-1561.6	1208.6	340.0
SFW	-13.2	-13.2	765.7	765.7	-9.0	-9.0	-	-	6.4	6.4	-	-	8.2	8.2	758.1	758.1
SMALL ICBM	-114.2	-114.2	-	-	-	-	-	-	-936.0	-936.0	-	-	-	-	-1050.2	-1050.2
SPARROW (AIM-7M)-AF	-6.6	-67.8	2.5	304.0	-0.3	0.4	-	-	40.1	500.5	-	-	-62.2	70.1	-26.5	807.2
SRAM II	-43.1	-43.1	-	-	87.6	87.6	-	-	-519.4	-519.4	-	-	-124.6	-124.6	-599.5	-599.5
T-46A	-3.0	-13.0	-	-2589.4	-	1.0	-	-	-17.5	-4.6	-	-	-6.1	-414.9	-26.6	-3020.9
TITAN IV (CELV)	-56.8	-56.8	-	1793.2	-	-36.2	40.0	-381.1	106.3	948.8	-	-	-36.1	-462.5	53.4	1805.4
TRI-TAC	-24.7	-105.7	28.3	296.2	9.2	19.1	-	19.9	-129.9	-135.9	-	-	-57.3	-27.2	-174.4	66.4
WIS(WMMCCS INF SYS)	-141.2	-208.8	-	-	22.4	22.4	-	30.9	397.6	606.9	-	-	-	-2.4	278.8	449.0
Subtotal	-4376.8	-15885.6	4203.1	46240.9	2686.6	11880.1	-722.7	20454.0	-769.5	-4997.2	-	1034.3	145.6	17644.5	1166.3	76371.0
Grand Total	-13678.9	-39101.6	25377.8	167023.9	5666.5	36079.4	131.7	42771.3	-5147.2	2655.2	-	-992.7	2577.0	39923.0	14926.9	248358.5

Program Funding Status (Dollars in Millions)

As of Date: December 31, 1986

Weapon System	Current & Prior Year	FY 88 Budget	Balance of Program	Total
Army:				
ADDS	302.5	176.1	3136.7	3615.3
AH-64 (APACHE)	7924.8	741.5	177.3	8843.6
ATACMS	361.9	129.1	672.3	1163.3
BRADLEY FVS	6678.7	791.4	2248.0	9718.1
CH-47D (CHINOOK)	2001.4	237.4	831.8	3070.6
COPPERHEAD	1119.8	100.6	440.6	1661.0
FAADS C2I	164.9	225.7	1316.9	1707.5
HELLFIRE	1358.1	168.9	880.6	2407.6
LHX	317.1	402.3	2922.9	3642.3
M1 TANK	14791.6	1644.0	5424.4	21860.0
MLRS	3262.3	474.4	1444.2	5180.9
MLRS-TGW	113.6	29.6	171.4	314.6
MSE	1302.3	1019.8	2331.9	4654.0
OH-58D (AHIP)	1095.9	48.1	-	1144.0
PATRIOT	8753.2	992.5	2859.5	12605.2
PERSHING II	2459.6	6.7	100.3	2566.6
RPV (AQUILA)	834.0	227.9	1057.6	2119.5
SINCGARS	497.0	52.6	5102.8	5652.4
STINGER	1661.3	199.7	1415.5	3276.5
TOW 2	1601.3	179.3	663.9	2444.5
UH-60A (BLACKHAWK)	4913.0	435.6	1051.7	6400.3
Subtotal	61514.3	8283.2	34250.3	104047.8
Navy:				
A-6E/F	4020.5	984.4	5654.5	10659.4
AN/BSY-1 (SUBACS)	1032.1	195.7	494.2	1722.0
AN/SQQ-89	1903.1	254.6	2761.4	4919.1
ASPJ	447.4	37.9	92.1	577.4
AV-8B	5819.7	712.7	2953.7	9486.1
BATTLESHIP REACT	1759.4	26.7	3.3	1789.4
C/MH-53E	2432.4	278.1	470.6	3181.1
CG-47 AEGIS	19739.4	2008.1	3121.7	24869.2
CVN-71	2541.1	-	-	2541.1
CVN-72/73	6010.5	15.8	123.7	6150.0
DDG-51	3620.0	2298.9	14198.6	20117.5
E-2C	4383.0	460.7	1982.2	6825.9
E-6A	1132.0	394.8	401.1	1927.9
EA-6B	1928.6	412.0	2102.2	4442.8
F-14A	15215.2	242.6	17.1	15474.9
F-14D	1048.2	777.7	21114.1	22940.0
F/A-18	20844.1	2580.2	14051.1	37475.4
FDS	86.7	76.0	610.5	773.2
FFG-7	9439.8	7.4	0.7	9447.9
HARM (NAVY)	1621.7	205.0	800.4	2627.1
HARPOON	2862.1	204.5	714.7	3781.3
LAMPS MK III	3880.4	175.8	1726.6	5782.8
LCAC	1029.8	46.4	1081.2	2157.4
LHD	2360.6	784.1	2017.0	5161.7
LSD-41	2432.3	25.1	67.1	2524.5
MK-48 ADCAP	1725.5	287.9	4013.3	6026.7
MK-50 (ALWT)	1175.5	312.0	5026.5	6514.0
P-3C	1651.0	121.3	234.3	2006.6
PHALANX CIWS	2031.8	123.1	508.0	2662.9
PHOENIX (AIM-54C)	2103.3	398.6	4313.2	6815.1
SEA LANCE (ASWSOW)	338.2	114.3	1998.4	2450.9
SH-60F	236.9	347.8	2568.7	3153.4
SPARROW (AIM-7M)-N	1513.8	-	-	1513.8
SSN-21	1418.3	521.8	7316.3	9256.4
SSN-688	22603.6	1804.6	5685.9	30094.1
STD MSL (SM-2)	3994.3	716.8	4670.1	9381.2
T45TS	411.4	476.7	3836.0	4724.1
TAO FLEET OILER	1596.5	289.8	803.9	2690.2
TOMAHAWK	5180.2	1148.1	5486.3	11814.6
TRIDENT II MSL	9971.3	3360.6	22186.6	35518.5
TRIDENT II SUB	9418.6	1434.8	6024.6	16878.0
V-22 (JVX)	1256.2	497.7	27908.4	29662.3
Subtotal	184216.5	25161.1	179140.3	388517.9
Air Force:				
AMRAAM	1925.8	892.4	7643.5	10461.7
ASAT (SPACE DEFENSE)	1558.3	402.0	2251.2	4211.5
ATF	550.1	546.9	11546.4	12643.4
B-1B	26697.9	375.7	219.8	27293.4
C-17A	1263.4	1954.7	32193.1	35411.2
C-5B	7421.2	6.5	-	7427.7
CIS (MARK XV IFF)	153.7	64.8	1022.7	1241.2
CSRL	410.3	79.2	157.3	646.8
DMSP	648.8	159.6	1122.7	1931.1

Program Funding Status (Dollars in Millions)
As of Date: December 31, 1986

Weapon System	Current & Prior Year	FY 88 Budget	Balance of Program	Total
DSCS III	1312.7	97.3	200.3	1610.3
DSP	4566.4	526.4	2523.0	7615.8
F-15	23214.8	1773.5	12081.9	37070.2
F-16	23034.4	2921.7	21572.7	47528.8
GLCM	3451.7	124.4	20.6	3596.7
HARM (AIR FORCE)	1455.7	434.5	287.6	2177.8
I-S/A AMPE	121.8	16.5	416.9	555.2
IIR MAVERICK AGM-65	2063.2	363.7	4656.8	7083.7
IUS (SPACE SHUTTLE)	1206.4	33.9	40.6	1280.9
JSTARS	840.9	408.9	2605.1	3854.9
JTIDS	521.9	200.9	638.3	1361.1
KC-10A	3822.8	-	-	3822.8
KC-135R	3631.8	640.2	8585.2	12857.2
LANTIRN	1811.2	817.2	1480.2	4108.6
MLS	9.5	16.3	317.2	343.0
NAVSTAR GPS	1995.0	115.7	267.4	2378.1
NAVSTAR USER EQMT	1006.9	346.7	2806.4	4160.0
OTH-B	892.3	195.2	1407.3	2494.8
PEACEKEEPER	13409.7	1337.5	7273.0	22020.2
SFW	104.8	17.6	3041.5	3163.9
SMALL ICBM	2505.2	2233.2	6911.4	11649.8
SPARROW (AIM-7M)-AF	1070.9	99.5	-	1170.4
SRAM II	114.5	220.4	2130.1	2465.0
T-46A	471.5	-	-	471.5
TITAN IV (CELV)	1614.4	870.9	1849.3	4334.6
TRI-TAC	1149.2	215.2	927.2	2291.6
WIS(WWMCCS INF SYS)	536.0	255.7	1514.3	2306.0
Subtotal	136565.1	18764.8	139711.0	295040.9
Grand Total	382295.9	52209.1	353101.6	787606.6